

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Simmerly Slough	Left	3.23	04/17/2019 04/17/2019	Sterling York

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_NA0004_01_s _ 2013_4				
Comment Code					
Inspector Comment					
O&M manuals are located at the district office.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_NA0004_01_s _ 2013_5				
Comment Code					
Inspector Comment					
LMA has adequate emergency flood fight supplies which are at their shop/office located at 214 1st St.					

No Photos

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_NA0004_01_s _ 2013_6				
Comment Code					
Inspector Comment					
NA0004 employees participate in a flood fight training that is sponsored by RD784 each year.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Simmerly Slough	Left	3.23	04/17/2019 04/17/2019	Sterling York

LM Start	0.03	Rating **	A	Issue No.	10
LM End	3.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.149888 °	39.164064 °
				-121.600981 °	-121.560828 °
DWR ID	DWR_NA0004_01_s_2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Spring 2019.					

Photo 1 of 1 : SP\_2019\_NA0004\_104\_10\_20190418\_00018.jpg



View looking downstream waterside at the well maintained vegetation, Spring 2019.

LM Start	0.03	Rating **	A	Issue No.	9
LM End	3.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.149888 °	39.164060 °
				-121.600981 °	-121.560814 °
DWR ID	DWR_NA0004_01_s_2019_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Spring 2019.					

Photo 1 of 1 : SP\_2019\_NA0004\_104\_9\_20190418\_00016.jpg



View looking downstream landside at the well maintained vegetation, Spring 2019.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Simmerly Slough	Left	3.23	04/17/2019 04/17/2019	Sterling York

LM Start	0.45	Rating **	A/W	Issue No.	37
LM End	0.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.153107 °	39.153107 °
				-121.594835 °	-121.594835 °
DWR ID	19090				
Comment Code					
Inspector Comment					
FS_ID:52792 DS_ID:19090 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through levee, 27 feet below crown. Flap gate and concrete "U" headwall on waterside (WS) end. Slide gate in 48-inch corrugated metal riser on WS slope of pipe. Steel walkway to control gate. Outfall drains from Ellis Lake. Concrete headwall at both toes. Concrete base under riser units. Steel riser unit and slide gate added under Permit No. 4041, 1962-Marysville Levee Commission. [Additional Reference(s): DWR Levee Logs, 1993 and 2005. USACE Sacramento O&M Manual Unit No. 147, August 1955, (Station 8+48)] FS Date: 3/14/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_52792\_69744.jpg



View of outlet located on waterward side under toe road.

LM Start	<b>0.45</b>	Rating **	A/W	Issue No.	<b>37 (cont)</b>
LM End	<b>0.45</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_52792\_69743.jpg



View of waterward side from toe road.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Simmerly Slough	Left	3.23	04/17/2019 04/17/2019	Sterling York

LM Start	0.45	Rating **	A/W	Issue No.	37 (cont)	
LM End	0.45	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.153107 °	39.153107 °	
				-121.594835 °	-121.594835 °	
DWR ID	19090					
Comment Code						
Inspector Comment						
FS_ID:52792						
DS_ID:19090						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through levee, 27 feet below crown. Flap gate and concrete "U" headwall on waterside (WS) end. Slide gate in 48-inch corrugated metal riser on WS slope of pipe. Steel walkway to control gate. Outfall drains from Ellis Lake. Concrete headwall at both toes. Concrete base under riser units. Steel riser unit and slide gate added under Permit No. 4041, 1962-Marysville Levee Commission. [Additional Reference(s): DWR Levee Logs, 1993 and 2005. USACE Sacramento O&M Manual Unit No. 147, August 1955, (Station 8+48)]						
FS Date: 3/14/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_52792\_69742.jpg



View of waterward slope.

LM Start	1.56	Rating **	C	Issue No.	15
LM End	1.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.160854 °	39.160854 °
				-121.587375 °	-121.587375 °
DWR ID	DWR_NA0004_01_f_2016_15				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes where squirrels have been active were backfilled, no sign of rodent activity, Spring 2019.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Feather River	Left	1.25	04/17/2019 04/17/2019	Sterling York

LM Start	0.00	Rating **	M	Issue No.	3
LM End	1.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.149556 °	39.134754 °
				-121.601108 °	-121.594039 °
DWR ID	DWR_NA0004_02_s_2019_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation needs to be mowed on the landside, Spring 2019.					

Photo 1 of 1 : SP\_2019\_NA0004\_105\_3\_20190418\_00011.jpg



View looking downstream landside at the annual vegetation that needs to be maintained, Spring 2019.

LM Start	0.00	Rating **	M	Issue No.	4
LM End	1.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.149556 °	39.134754 °
				-121.601108 °	-121.594039 °
DWR ID	DWR_NA0004_02_s_2019_4				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation needs to be mowed on the waterside, Spring 2019.					

No Photos

LM Start	0.22	Rating **	A/W	Issue No.	8
LM End	0.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.146352 °	39.146352 °
				-121.600724 °	-121.600724 °
DWR ID	DWR_NA0004_02_f_2016_8				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Foot path depression in the landside levee slope shows no sign of erosion and the slope is stable, Spring 2019.					

Photo 1 of 1 : SP\_2019\_NA0004\_105\_8\_20190305\_00001.jpg



View of foot path depression in the landside levee slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Feather River	Left	1.25	04/17/2019 04/17/2019	Sterling York

LM Start	0.72	Rating **	A	Issue No.	5
LM End	0.72	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.139958 °	39.139958 °
				-121.601648 °	-121.601648 °
DWR ID	DWR_NA0004_02_s_2019_5				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
There is ongoing construction at the Fifth Street Bridge, Spring 2019.					

Photo 1 of 1 : SP\_2019\_NA0004\_105\_5\_20190418\_00010.jpg



View looking at the Fifth Street Bridge abutment waterside on the left bank of the Feather River, completion is estimated for the end of 2019.

LM Start	0.82	Rating **	M	Issue No.	13
LM End	0.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.138827 °	39.138827 °
				-121.599530 °	-121.599530 °
DWR ID	DWR_NA0004_02_f_2016_13				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Foot path depression in the landside levee slope needs to be repaired.					

Photo 1 of 1 : SP\_2019\_NA0004\_105\_13\_20190305\_00002.jpg



View of foot path depression in the landside levee slope.

LM Start	0.85	Rating **	M	Issue No.	14
LM End	0.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.138463 °	39.138463 °
				-121.599168 °	-121.599168 °
DWR ID	DWR_NA0004_02_f_2016_14				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Remove steps that are cut into levee slope.					

Photo 1 of 1 : SP\_2019\_NA0004\_105\_14\_20190305\_00003.jpg



View of steps for foot path in the landside levee slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Yuba River	Right	6.79	04/17/2019 04/17/2019	Sterling York

LM Start	0.13	Rating **	A	Issue No.	16
LM End	0.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.135153 °	39.135327 °
				-121.591509 °	-121.586508 °
DWR ID	DWR_NA0004_03_s_2019_16				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Continue to trim and remove the starter trees in this location, Spring 2019.					

Photo 1 of 1 : SP\_2019\_NA0004\_106\_16\_20190418\_00046.jpg



View looking upstream waterside where intrusive starter trees have been trimmed and sprayed, Spring 2019.

LM Start	1.00	Rating **	M	Issue No.	30
LM End	1.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.142167 °	39.142167 °
				-121.582817 °	-121.582817 °
DWR ID	DWR_NA0004_03_f_2016_30				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Path cut in by foot traffic on the landside slope needs to be repaired.					

Photo 1 of 1 : SP\_2019\_NA0004\_106\_30\_20190305\_00006.jpg



View of path cut in by foot traffic on the landside slope.

LM Start	1.16	Rating **	A/W	Issue No.	32
LM End	1.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.144392 °	39.144392 °
				-121.582930 °	-121.582930 °
DWR ID	DWR_NA0004_03_f_2016_32				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Ruts cut in by vehicle traffic on the landside slope show no sign of erosion, slope is stable, Spring 2019.					

Photo 1 of 1 : SP\_2019\_NA0004\_106\_32\_20190305\_00007.jpg



View of ruts cut in by vehicle traffic on the waterside slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Yuba River	Right	6.79	04/17/2019 04/17/2019	Sterling York

LM Start	1.28	Rating **	M	Issue No.	33
LM End	1.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.145723 °	39.145723 °
				-121.581323 °	-121.581323 °
DWR ID	DWR_NA0004_03_f_2016_33				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Path cut in by foot traffic on the landside slope needs to be repaired.					

Photo 1 of 1 : SP\_2019\_NA0004\_106\_33\_20190305\_00008.jpg



View of path cut in by foot traffic on the landside slope that needs repaired.

LM Start	1.61	Rating **	M	Issue No.	18
LM End	1.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.149098 °	39.149098 °
				-121.577162 °	-121.577162 °
DWR ID	DWR_NA0004_03_f_2016_18				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Erosion from foot traffic should be repaired.					

Photo 1 of 1 : SP\_2019\_NA0004\_106\_18\_20190305\_00003.jpg



View of foot path that has cut into landside levee slope.

LM Start	2.15	Rating **	M	Issue No.	39
LM End	2.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.154440 °	39.154440 °
				-121.569839 °	-121.569839 °
DWR ID	DWR_NA0004_03_f_2016_39				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Erosion from foot traffic should be repaired.					

Photo 1 of 1 : SP\_2019\_NA0004\_106\_39\_20190305\_00011.jpg



View looking upstream of foot path that has cut into the landside levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Yuba River	Right	6.79	04/17/2019 04/17/2019	Sterling York

LM Start	2.21	Rating **	A/W	Issue No.	40
LM End	2.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.155076 °	39.155076 °
				-121.568970 °	-121.568970 °
DWR ID	DWR_NA0004_03_f_2016_40				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Ruts cut in by foot traffic on the landside slope show no sign of erosion, slope is stable, Spring 2019.					

Photo 1 of 1 : SP\_2019\_NA0004\_106\_40\_20190305\_00012.jpg



View looking downstream landside of foot path that is cut into the landside levee slope.

LM Start	2.55	Rating **	M	Issue No.	41
LM End	2.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.158509 °	39.158509 °
				-121.564423 °	-121.564423 °
DWR ID	DWR_NA0004_03_f_2016_41				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Erosion from foot traffic should be repaired.					

Photo 1 of 1 : SP\_2019\_NA0004\_106\_41\_20190305\_00013.jpg



View looking downstream of foot path that has cut into the landside slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Marysville Levee Commission**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Yuba River	Right	6.79	04/17/2019 04/17/2019	Sterling York

LM Start	4.84	Rating **	A	Issue No.	17
LM End	6.78	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.185400 °	39.202392 °
				-121.540019 °	-121.511184 °
DWR ID	DWR_NA0004_03_s_2019_17				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
This section is for evacuation and patrol only. Crown surface has been rocked and low limbs have been trimmed.					

Photo 1 of 1 : SP\_2019\_NA0004\_106\_17\_20190418\_00043.jpg



View looking upstream crown of the section of levee that is only a patrol road and used in the case of emergency for evacuation access.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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